

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/013479

A. CLASSIFICATION OF SUBJECT MATTER  
Int.Cl<sup>7</sup> H04L12/56, H04L29/14

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> H04L12/56, H04L29/14

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2004  
Kokai Jitsuyo Shinan Koho 1971-2004 Toroku Jitsuyo Shinan Koho 1994-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 10-65698 A (The Furukawa Electric Co., Ltd.), 06 March, 1998 (06.03.98), Full text; Fig. 2 (Family: none)	1-14
A	JP 2000-270119 A (Hitachi Telecom Technologies, Ltd.), 29 September, 2000 (29.09.00), Par. Nos. [0045] to [0061]; all drawings (Family: none)	1-14
A	JP 5-7217 A (NEC Tsushin System Kabushiki Kaisha), 14 January, 1993 (14.01.93), Full text; all drawings (Family: none)	1-14

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"P" document published prior to the international filing date but later than the priority date claimed

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"&" document member of the same patent family

Date of the actual completion of the international search  
05 October, 2004 (05.10.04)

Date of mailing of the international search report  
19 October, 2004 (19.10.04)

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2001-177530 A (NEC Corp.), 29 June, 2001 (29.06.01), Full text; all drawings & EP 1109360 A1                      & US 2001/0053130 A1	1-14